HITEC



Join the AMA

In America, the Academy of Model Aeronautics (AMA) is an organization of model enthusiasts that provide resources and insurance to modelers.

The AMA also lobbies the US Government, concerning legislation that impacts modelers.

Visit their website for more information: www.modelaircraft.org

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Academy of woder Aeronautics
5151 East Memorial Drive,
Muncie, Indiana 47302
Toll Free Call: 800 435-9262



Please follow the guidelines below for your safety and others around you: 1. Don't fly over people or personal property. 2. Make sure you do a range and pre-flight check on your aircraft. 3. Know the conditions of your batteries. Keep them charged. 4. Have receivers checked after a crash before using them in another aircraft. 5. Use the Fail-Safe function in AFHSS and QPCM mode to lower the throttle in case of a signal "lock-out." 6. Don't fly alone.

Product Support

HTS-SS Advanced System Support

While every attempt was made by the HTS-SS Advanced developers to make the system easy and simple. some users will require systematic and/or installation help at some points. There are several "get help" options available to vou.

Hitec Customer Service

Help is available from Hitec customer service through phone support and e-mail inquiries. Our US office is open Monday thru Friday, 8:00AM to 4:30PM PST. These hours and days may vary by season. We make every attempt to answer all incoming service calls; should you reach our voicemail, please leave your name and number and a staff member will promptly return your call.

Hitec Website

We invite you to regularly visit our website at www.hitecrcd.com for specification information and descriptions of our entire product line. Our FAQ pages provide valuable information about all Hitec products.

The Community

One of the benefits of the extensive RC on-line community is the vast wealth of archived information available. Hitec sponsors forums on most of the popular RC websites where a Hitec staff member or representative answers product-related questions. Bringing together strangers with common interests is proving to be one of the greatest gifts of the internet. If past history is any guide to the future, we are certain forums will be started about the Hitec Sensor Station creating valuable archived information for future access.

Warranty and Non-Warranty Service

All Hitec products carry a two-year warranty against manufacturing defects from date-of- purchase. Our trained, professional service representative will determine if the item will be repaired or replaced. Please complete and include the repair format www.hitecrcd.com when you return your item so that we may administer your repair.

Hitec Service 12115 Paine St. Poway CA 92064 1-858-749-6948



E-mail : Service@hitecrcd.com Manufacturer/Country: HITEC RCD, INC./The Philippines

Features & Specifications		
The type of sensor module		
#55833 - O-RPM Sensor(O-RPM) #55834 - Temperature Sensor(HTS-TEMP) #55836 - GPS Sensor(HTS-GPS) #55842 - M-RPM Sensor(HTS-MRPM) #55850 - Current Sensor(50A)(HTS-C50) #55855 - Current Sensor(200A)(HTS-C200) #55851 - Voltage Sensor(HTS-VOLT)	#55854 - Air Speed Sensor #55860 - Variometer Sensor #55859 - Servo Manager Sensor #55861 - Engine Temperature Sensor #55835 - Fuel level Sensor. #55853 - Advanced Sensor Staion	
 Dimension of Sensor Station : 40.4mm X 28.4mm X 11.7mm Operating Temperature Range: -20°C ~ 60°C Operating Voltage Range: 4.8V ~ 8.4V (Max: 2S LiPo) 		
Temperature sensor		
- Operating Temperature : -40°C ~ 200°C	- Wire length: 350mm	
Optical sensor		
 Maximum Operational Distance : 150mm Measurement range : 0 ~ 50,000rpm 	- Wire length : 500mm	
Magnetic sensor		
- Maximum Operational Distance : 1mm - Measurement range : 0 ~ 70,000rpm	- Wire length : 500mm	
Current Sensor(50A)		
-Measurement Range : 0 ~ 50A -Measurement Resolution : 0.1A	-Wire Length : 250mm	
Current Sensor(200A)		
-Measurement Range : 0 ~ 200A -Measurement Resolution : 1A	-Wire Length : 250mm	
Voltage Sensor		
-Wire Type : Crocodile Clip & T-Clamp		
GPS		
 UTC(Universal Time Coordinated) Altitude: 0 ~ 9,999m Latitude : xxx°xx'xx.xx" Longitude : xxx°xx'xx.xx" 	 Satellite : No. of satellites Speed : 0 ~ 900Km/h Course(°) : 0~360° 	
•Refresh time : 0.5 sec	Wire length : 250mm	
Air Speed Sensor		
- Measurement range : 0 ~ 900Km/h	- Wire length : 250mm	
Variometer Sensor - Measurement range : 0 ~ 6,000m (Absolute), 0 ~ - Measurement Resolution : 1m - Wire length : 250mm	±2,000m (Relative)	
Servo Manager Sensor		
- Measurement range : 0 ~ 10A (4ch) - Measurement Resolution : 0.1A	- Wire length : 250mm	
Engine Temperature Sensor		
-Operating Temperature : -40°C ~ 200°C	- Wire length : 500mm	
Fuel level Sensor		
-Measurement range : 4 point	- Wire Jength : 250mm	

Made in the Philippines

Instruction Manual ver 1.0

Introduction

Welcome to world of Hitec 2.4GHz Telemetry System!

Hitec's AFHSS telemetry system will bring you to the next step of your RC life. The "HTS-SS Advanced is an optimized telemetry sensor station for electric model and nitro planes. You can monitor your model's Air Speed, Variometer, Servo Managing, RPM, Temperature, Engine Temperature, Current, Voltage, Fuel level and GPS information including speed and altitude. This system can be installed easily in almost any electric aircraft including. Helicopters, gliders, acrobatic planes.

We advise you to read the manual thoroughly to familiarize yourself with the proper installation and usage procedure



Before Use

Safety Information

Flying models can be dangerous if proper safety precautions are not followed. Here are a few critical safety suggestions to keep you and others safe.

Are you Experienced?

Flying models is not an intuitive process. Most accomplished model pilots were taught by another modeler. We encourage you to seek help during your early flight experiences and if necessary, during the building and gear installation processes as well

Unlike some other hobbies, model airplane flying has evolved into a social event.

There are approximately 2,500 model aircraft clubs in America. Friendship and help could be right around the corner. Ask your local hobby shop about clubs in your area.

Where to Fly

Having enough land for your own model airport is rare. Most of us fly at club administrated model fields. The local ball field can be tempting but rarely has the space needed, plus your liability is high should you damage property or hurt an innocent person.

We recommend you to fly at a sanctioned model aircraft field.



* Detailed information about HTS-SS Advanced can be found from our website. Please visit us at www.hitecrcd.com for the most up-to-dated information of the products.

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